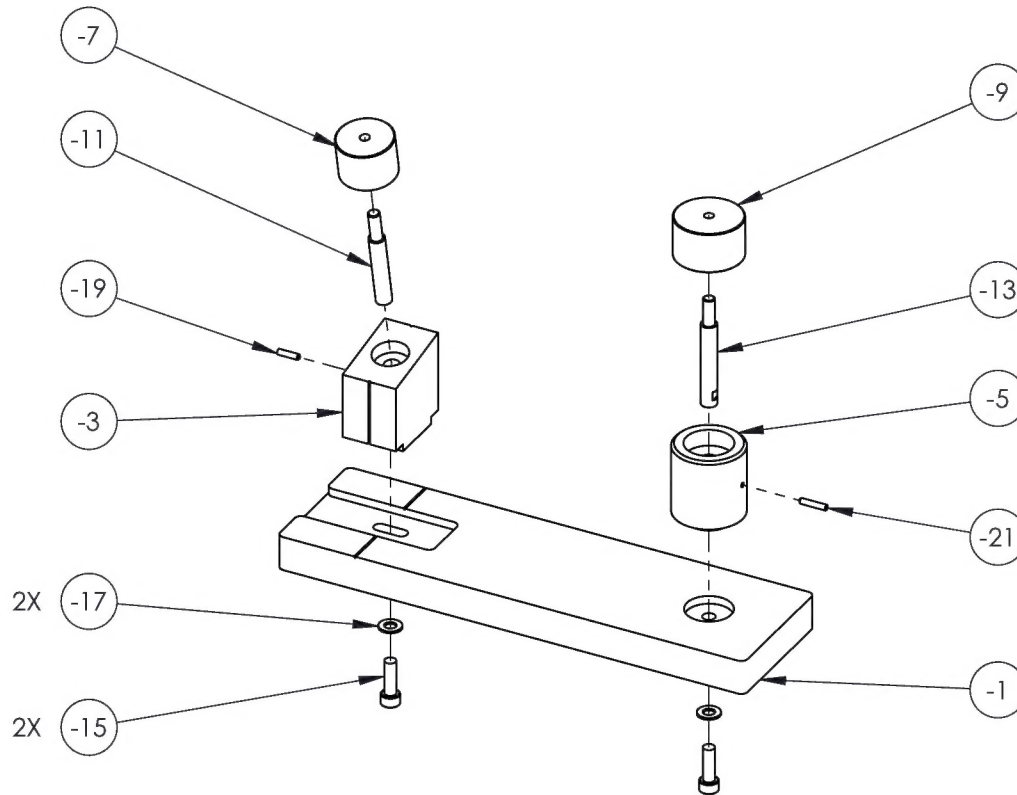


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	UPDATE TO NEW STANDARD. -3 & -5 CH'D MAT'L WAS 1018 IS 1018/1020 CR. -1 CH'D DIMS WAS 3.555 IS 3.94, WAS 13.370 IS 13.75, ADDED DIM 1.00. -3 CH'D DIM WAS (.400) IS .400. -5 CH'D DIM WAS Ø1.975 IS Ø1.98, CH'D DIM WAS ∇ 1.480 IS ∇ 1.48, CH'D DIM WAS .075 IS .08, CH'D DIM WAS 1.000 IS 1.00, CH'D DIM WAS THRU TO CAVITY IS ∇ .98, CH'D DIM WAS .480 IS .48, CH'D DIM WAS .600 IS .60. -7 CH'D DIM WAS Ø1.575 IS Ø1.58, CH'D DIM WAS 1.175 IS 1.18, CH'D DIM WAS ∇ .475 IS ∇ .48. -9 CH'D DIM WAS Ø1.890 IS Ø1.89, CH'D DIM WAS 1.175 IS 1.18, CH'D DIM WAS ∇ .585 IS ∇ .59. -11 & -13 CH'D MAT'L WAS 4140 IS 4140/4142. -11 ADDED FINISH SPEC, CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS .175 IS .393. -13 ADDED FINISH SPEC, CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS 3.200 IS 3.20, CH'D DIM WAS .175 IS .393.	7/15/2016	DEW	SM



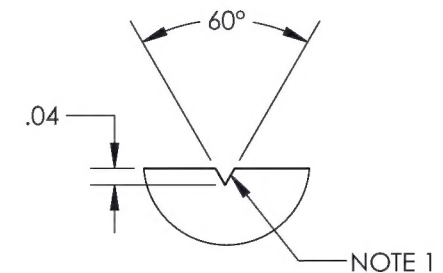
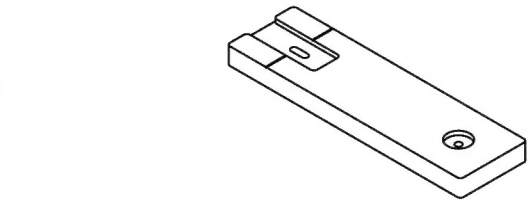
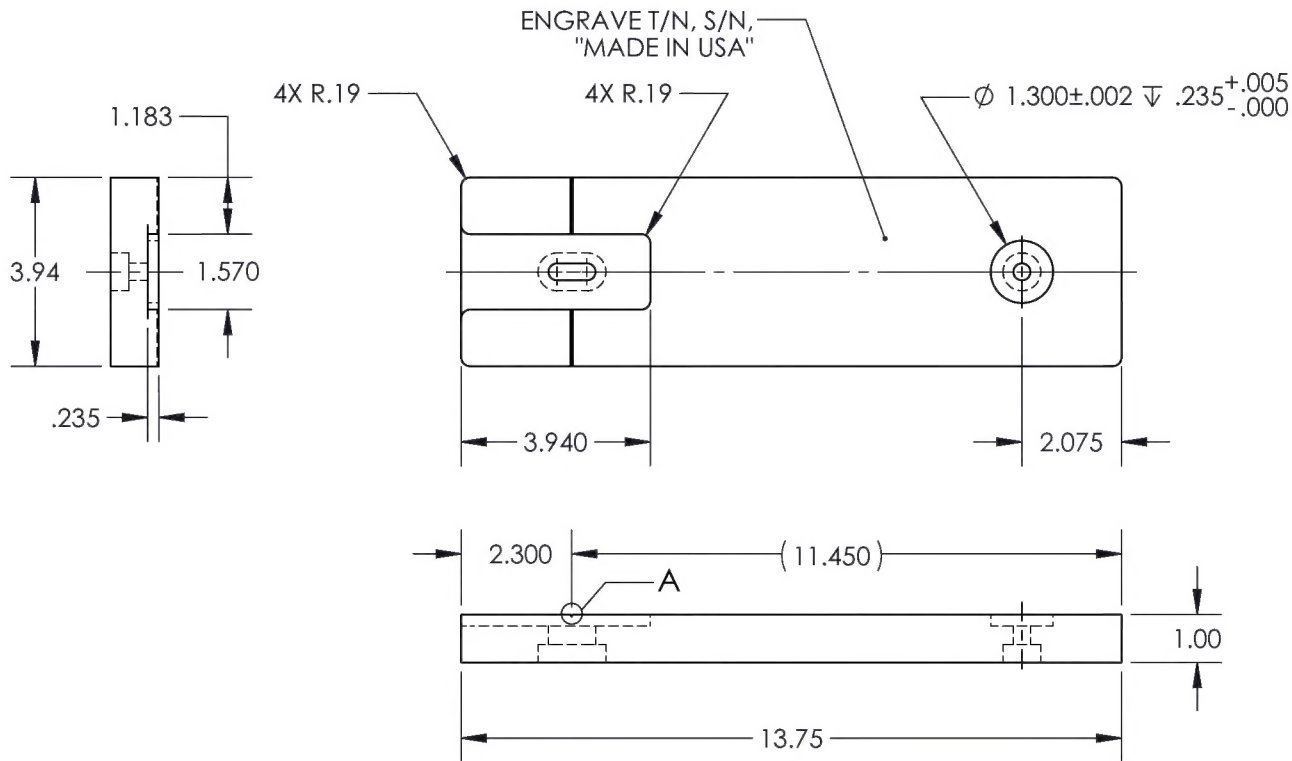
NOTE:
REF. AGUSTA T/N 109-3101-84-101.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-1	1	PLATE	MIC 6		2
			-3	1	SUPPORT	1018/1020 CR		3
			-5	1	SUPPORT	1018/1020 CR		4
			-7	1	KNOB	6061		5
			-9	1	KNOB	6061		6
			-11	1	PIN	4140/4142		7
			-13	1	PIN	4140/4142		8
		B/O	-15	2	SOCKET HEAD CAP SCREW	STEEL	M8 x 1.25 X 25 (MCMASTER-CARR #95263A633)	1
		B/O	-17	2	WASHER	STEEL	M8 (MCMASTER-CARR #91166A270)	1
		B/O	-19	1	SET SCREW	STEEL	M4 x .7 X 16 (MCMASTER-CARR #91390A116)	1
		B/O	-21	1	SET SCREW	STEEL	M4 x .7 X 20 (MCMASTER-CARR #91390A218)	1

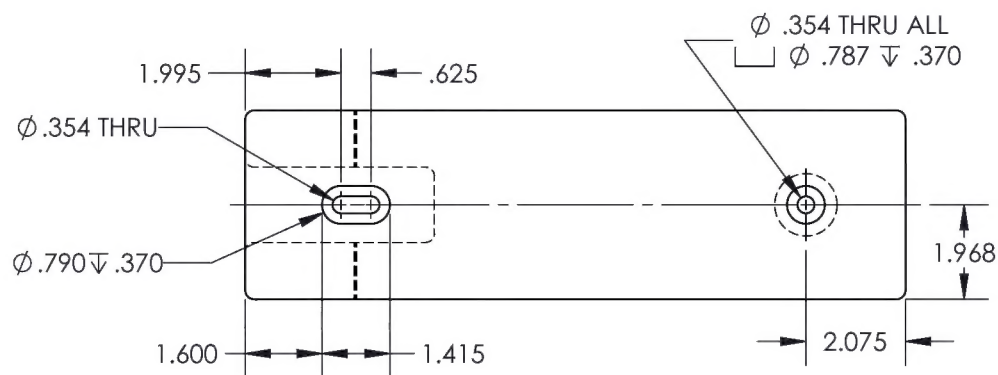
DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101	REV 2
MAT'L	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125°
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES
CHECKED: CLOUGH	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:4	DATE 4/3/2012
	SHEET 1 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	•1 CH'D DIMS WAS 3.555 IS 3.94, WAS 13.370 IS 13.75, ADDED DIM 1.00.	7/15/2016	DEW	SM



DETAIL A
SCALE 2 : 1



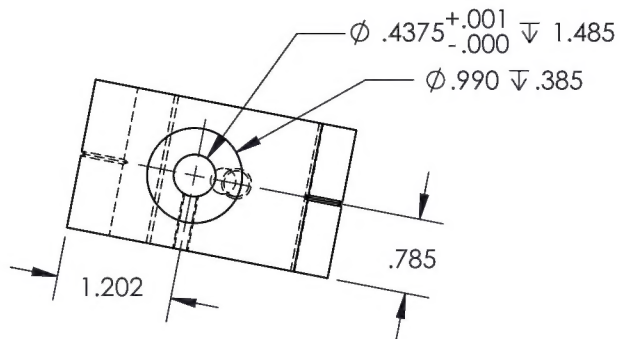
(-1)
PLATE

NOTE:
1. AFTER ANODIZING, FILL GROOVE WITH A CONTRASTING COLOR PAINT.

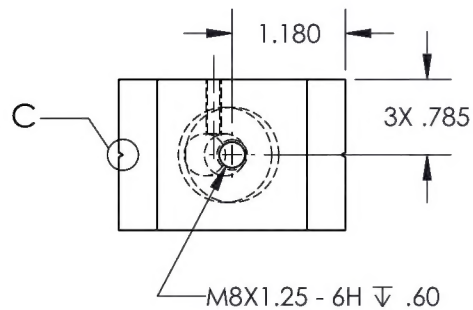
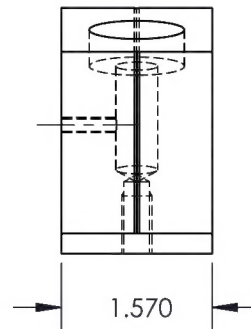
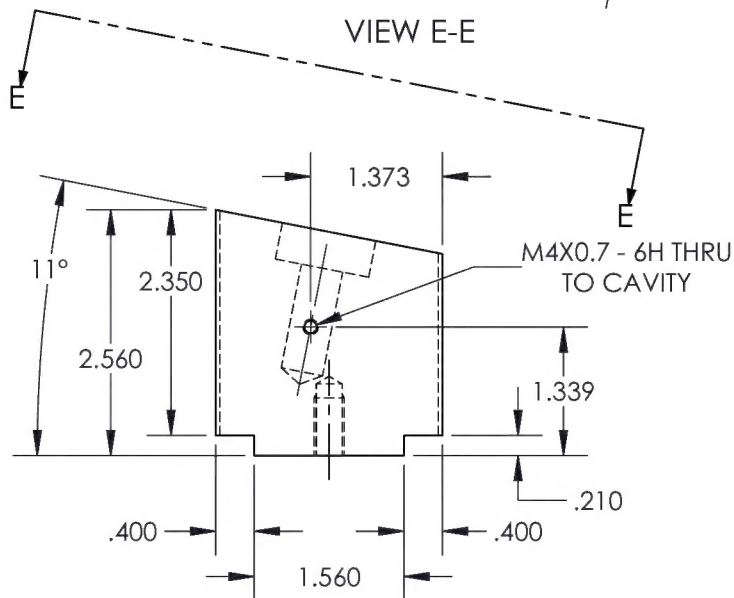
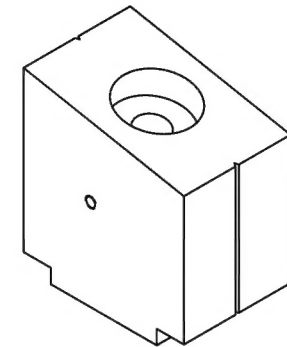
DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-1	REV 2
MAT'L MIC 6	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: GILBERT	.X \pm .1 SURFACES = 125✓
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR: LINDSAY	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED: MACKOVJAK	USED ON MODEL
SCALE 1:4	AW109 - AW119
DATE 4/3/2012	SHEET 2 OF 8

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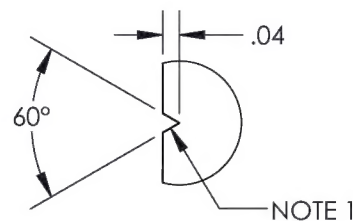
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-3 CH'D DIM WAS (.400) IS .400, CH'D MAT'L WAS 1018 IS 1018/1020 CR.	7/15/2016	DEW	SM



VIEW E-E



③
SUPPORT



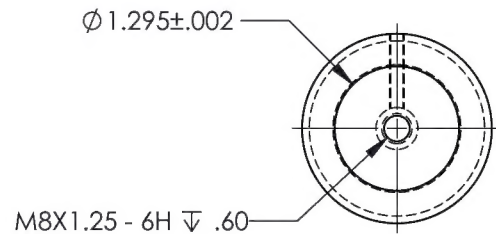
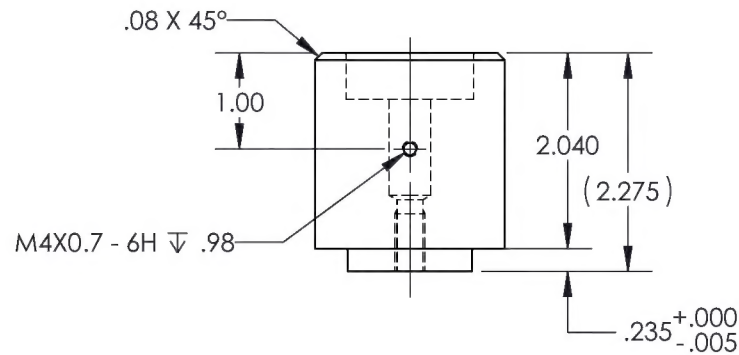
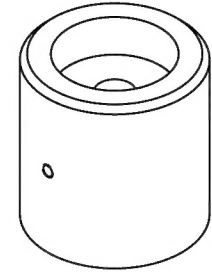
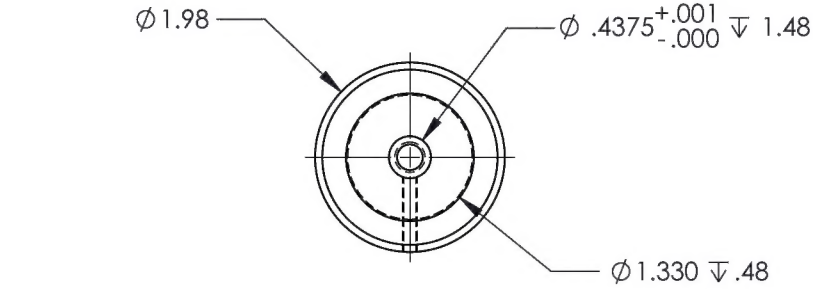
DETAIL C
SCALE 2 : 1
2 PLACES

NOTE:
1. AFTER POWDER COAT, FILL GROOVE WITH A CONTRASTING COLOR PAINT.

DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-3	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH POWDER COAT YELLOW	.XX ± .01 ANGLES ± 5°
SPEC FED #13538	.X ± .1 SURFACES = 125
DRAWN BY: GILBERT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	AW109 - AW119
SCALE 1:2	DATE 4/3/2012
SHEET 3 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-5 CH'D MAT'L WAS 1018 IS 1018/1020 CR, CH'D DIM WAS $\varnothing 1.975$ IS $\varnothing 1.98$, CH'D DIM WAS $\nabla 1.480$ IS $\nabla 1.48$, CH'D DIM WAS $\nabla .075$ IS $\nabla .08$, CH'D DIM WAS 1.000 IS 1.00 , CH'D DIM WAS THRU TO CAVITY IS $\nabla .98$, CH'D DIM WAS $.480$ IS $.48$, CH'D DIM WAS $.600$ IS $.60$.	7/15/2016	DEW	SM



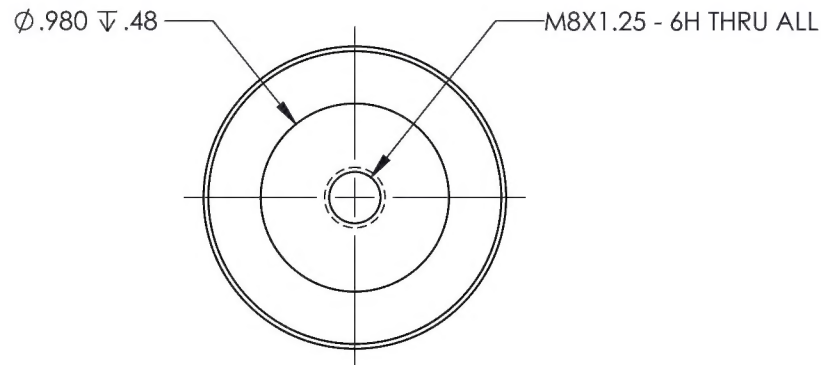
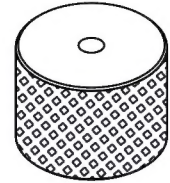
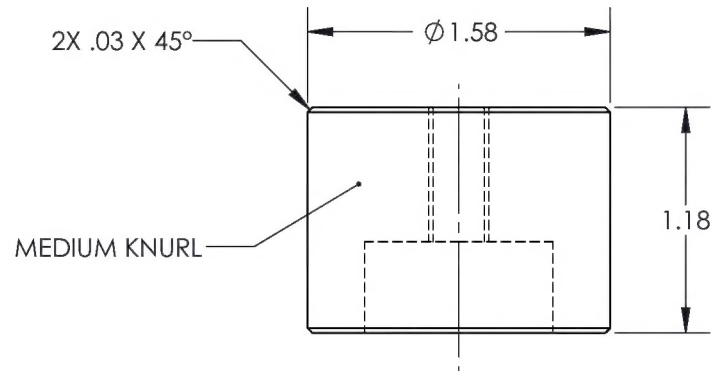
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SUPPORT

DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-5	REV 2
MAT'L 1018/1020 CR	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH POWDER COAT YELLOW	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC FED #13538	.XX \pm .01 ANGLES \pm .5°
DRAWN BY: GILBERT	.X \pm .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/3/2012	USED ON MODEL
SHEET 4 OF 8	AW109 - AW119

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-7 CH'D DIM WAS Ø 1.575 IS Ø 1.58, CH'D DIM WAS 1.175 IS 1.18, CH'D DIM WAS ▽.475 IS ▽.48.	7/15/2016	DEW	SM



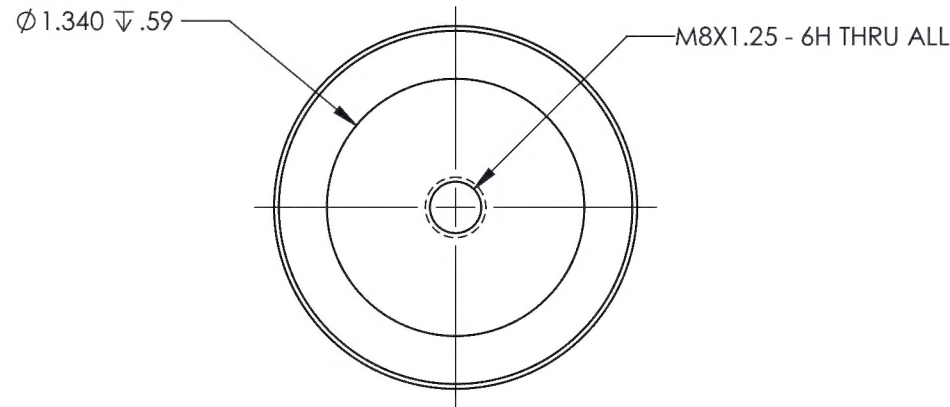
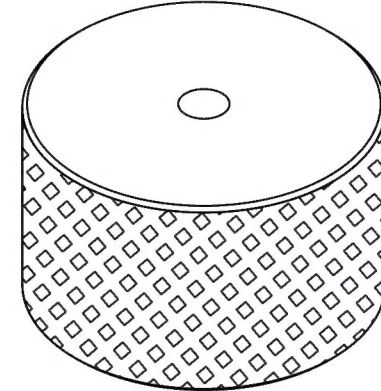
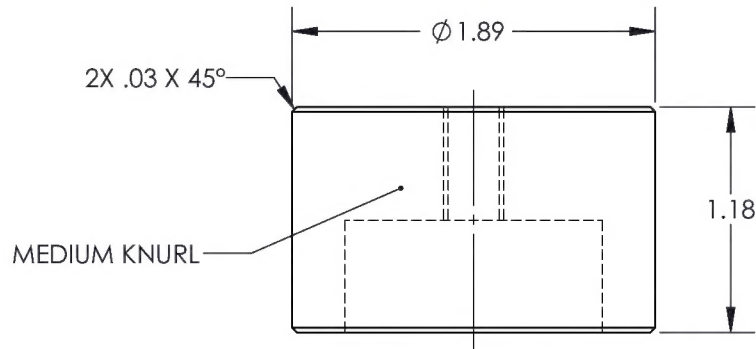
(-7)

KNOB

DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-7	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX \pm .01 ANGLES \pm .5°
DRAWN BY: GILBERT	.X \pm .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:2	DATE 4/3/2012
	SHEET 5 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-9 CH'D DIM WAS $\varnothing 1.890$ IS $\varnothing 1.89$, CH'D DM WAS 1.175 IS 1.18, CH'D DIM WAS $\nabla .585$ IS $\nabla .59$.	7/15/2016	DEW	SM

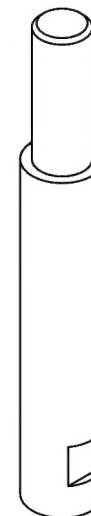
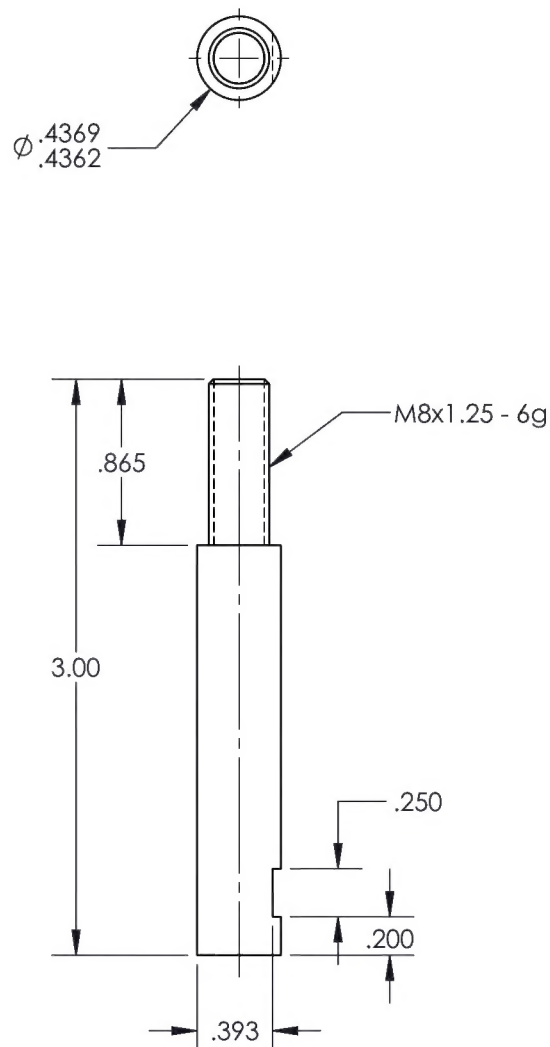


(-9)
KNOB

DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-9	REV 2
MAT'L 6061	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH CLEAR ANODIZE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC MIL-A-8625F, TYPE II, CLASS I	.XX \pm .01 ANGLES \pm .5°
DRAWN BY: GILBERT	.X \pm .1 SURFACES = 125
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/4/2012	USED ON MODEL
SHEET 6 OF 8	AW109 - AW119

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-11 CH'D MAT'L WAS 4140 IS 4140/4142, ADDED FINISH SPEC, CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS .175 IS .393.	7/15/2016	DEW	SM



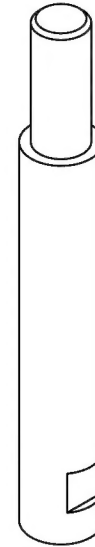
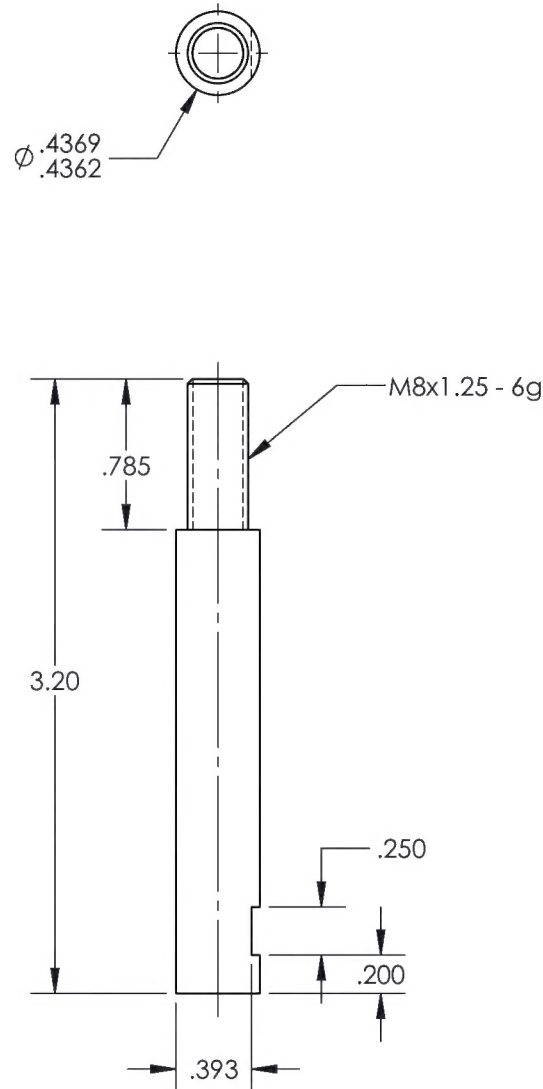
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PIN

DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-11	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC QMSI-6.2.2 REV D	.XX \pm .01 ANGLES \pm .5°
DRAWN BY: GILBERT	.X \pm .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/4/2012	USED ON MODEL
SHEET 7 OF 8	AW109 - AW119

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0074	-13 CH'D MAT'L WAS 4140 IS 4140/4142, ADDED FINISH SPEC CH'D DIM WAS M8x1.25 IS M8x1.25-6g, CH'D DIM WAS 3.200 IS 3.20, CH'D DIM WAS .175 IS .393.	7/15/2016	DEW	SM



(-13)

PIN

DART AEROSPACE	
TITLE M/R PITCH CHANGE LINK LENGTH/ANGULAR POSITION RIGGING	
DWG NO. RBW109-3101-84-101-13	REV 2
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX ± .005 FRACTIONS ± 1/8
SPEC QMSI-6.2.2 REV D	.XX ± .01 ANGLES ± .5°
DRAWN BY: GILBERT	.X ± .1 SURFACES = 125°
CHECKED: CLOUGH	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: MACKOVJAK	AFTER PLATING
SCALE 1:2	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 4/4/2012	USED ON MODEL
SHEET 8 OF 8	AW109 - AW119